

ABSTRACT OF THE DISCLOSURE

1 A power train for a motor vehicle includes a combustion
2 engine, a clutch or other torque-coupling device, a
3 transmission, and an electro-mechanical energy converter that is
4 operable at least as a motor and as a generator. The electro-
5 mechanical energy converter is coupled to the output shaft of
6 the combustion engine through a torque transfer device with at
7 least two rpm ratios that automatically set themselves according
8 to whether the vehicle is operating in a start-up mode or in a
9 driving mode.